

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

F.A. Proj 53,54 (1)

RECORD OF WELL

P 755	

Locate well on plat of section.

1. Location: State N.Y. County Putnam  
Nearest P. O. Carmel Direction from P. O. N.Y.  
Distance from P. O. 3 miles; 1/4 sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_  
If in city, give street and number \_\_\_\_\_

2. Owner: N.Y. Dept of Public Works (Rent cliff Carmel) Address Latham N.Y.  
Driller: Same Address \_\_\_\_\_

3. Situation: Is well on upland, in valley, or on hillside? Valley

4. Elevation of top of well: 514.4 ft. above the level of M.S.L.  
(Above or below) (Sea, depot, lake, or stream)

5. Type of well: Driven; kind of drilling rig used \_\_\_\_\_  
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: 19 ft.; year in which well was finished 6/6/50  
Does well enter rock? yes; if so, at what depth? 6.17 ft.; kind of rock \_\_\_\_\_

7. Diameter: At top 4 3/8 inches; at bottom 4 3/8 inches.

8. Principal water bed: \_\_\_\_\_  
(Gravel, sand, clay, or rock. If rock, state kind)  
Depth to principal water bed \_\_\_\_\_ ft.; thickness of bed \_\_\_\_\_ ft.

If other water supplies were found, give depth to each \_\_\_\_\_  
9. Casings: Kind Metal; size \_\_\_\_\_; length \_\_\_\_\_ ft.; between depths of \_\_\_\_\_ and \_\_\_\_\_ ft.  
Kind \_\_\_\_\_; size \_\_\_\_\_; length \_\_\_\_\_ ft.; between depths of \_\_\_\_\_ and \_\_\_\_\_ ft.  
Kind \_\_\_\_\_; size \_\_\_\_\_; length \_\_\_\_\_ ft.; between depths of \_\_\_\_\_ and \_\_\_\_\_ ft.

Packers (if any): Depth at which packers were used \_\_\_\_\_; kind \_\_\_\_\_  
Screen or Strainer: Was well finished with screen? \_\_\_\_\_; kind of screen \_\_\_\_\_  
length of screen \_\_\_\_\_ ft.; diameter \_\_\_\_\_ inches; size of openings \_\_\_\_\_

10. Head: Does well at present overflow without pumping? no; did it overflow when new? yes  
if flowing, give pressure \_\_\_\_\_ lb. per sq. inch; or height water will rise in a pipe \_\_\_\_\_ ft. above surface;  
original pressure or head \_\_\_\_\_; if not flowing, give water level in well 0.9 ft. below surface.

11. Pump: Is the well pumped? \_\_\_\_\_; kind of pump \_\_\_\_\_  
size or capacity of pump \_\_\_\_\_; kind of power \_\_\_\_\_

12. Yield: Natural flow at present (if any) \_\_\_\_\_ gallons per minute; original flow \_\_\_\_\_ gallons per minute;  
well has been pumped at \_\_\_\_\_ gallons per minute continuously for \_\_\_\_\_ hours;  
quantity of water ordinarily obtained from well \_\_\_\_\_ gallons per day.

13. Use: For what purpose is the water used? Test hole; is there an analysis? \_\_\_\_\_

14. Quality of the water: \_\_\_\_\_ (Hard or soft, fresh or salty, etc.) Temperature of water \_\_\_\_\_ ° F

15. Cost of well, not including pump: \_\_\_\_\_  
Name of person filling blank N.W. from attached  
Address \_\_\_\_\_



## LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water)
	From—	To—		
Brown sand some clay trace of gravel	0	3		
" " " " "	3	5		
Brown sand some clay some gravel	5	6.17		
At 19.17 depth struck water vein which flows steadily out of casing but not very fast				

5354 (1)

STATE OF NEW YORK  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF CONSTRUCTION

## SUBSURFACE INFORMATION

Kent Cliffs-Carmel  
C. No. None S. H. No. None County PUTNAM  
P. S. C. No. None Bridge No. 1  
Weight of Hammer 300 Lbs. Average Drop of Hammer 18" on Casing  
Inside Diameter of Casing 3 1/4" 12" on Spoon  
Inside Diameter of Spoon 1 3/8" Outside Diameter of Casing 4 3/8"  
Outside Diameter of Spoon 2"

Hole No. 3 Center Line Sta. 71+42 L. 25' R. - Date June 6, 1950

SPECIMEN NO.	CASING		SPOON			CROSS SECTION	PERCENT PASSING SIEVE NO.								NATURE OF MATERIAL	
	Blows per ft.	Depth	BLOWS				Depth	4	10	20	40	60	100	140	200	
			6"-12"	12"-18"	18"-24"											
0	40															GROUND EL. 514.4 = 0
1	117		22	14	17	M	89	66	43		28		19			No Sample - Roots
2	89		9	7	10	M	89	71	47		40		36			Brown Sand, Some Clay, Trace of Gravel
3	165		40	18		W	68	54	44		37		33			Brown Sand, Some Clay, Trace of Gravel
4	DRILLED															Rock Seamy Ledge
10																
20																
30																
40																
50																
60																
70																
80																
90																
100																
110																
120																
130																
140																
150																
160																
170																
180																
190																
200																

\* = 100 blows for 2 inches. Refusal at 6.17 ft. depth.

At 19.17 ft. depth struck water vein, which flowed steadily out of casing but not very fast.

LEGEND  
M = Moist  
W = Wet

FROST EL. \_\_\_\_\_

WATER EL. 515.3  
514.4

\* = 100 blows for 2 inches. Refusal at 6.17 ft. depth.

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## LEGEND

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FROST EL.

WATER EL. 515.3

514.4

DRILL RIG OPERATOR

John Shepard  
in Charge

Samples shall be taken at approximately 5 ft. intervals and whenever progress of casing indicates a possible change to a different material. Wash to end of casing and take all samples dry with spoon below end of casing. If washing is inadvertently carried beyond end of casing, report under "Nature of Material". Immediately after taking, place the dry samples in the tight containers furnished, label and send to Main Office.